



OFFICE OF STEM ENGAGEMENT

Grants and Cooperative Agreements Profile

OVERVIEW

PREPARING THE FUTURE WORKFORCE

The aerospace industry must continually cultivate a highly skilled and competitive science, technology, engineering, and mathematics (STEM) workforce today and in the future to achieve and maintain America's position as a global leader in innovation and technology. To address the growing talent gap in STEM, NASA's Office of STEM Engagement (OSTEM) will sharpen its focus on America's STEM workforce development needs to accelerate students toward obtaining STEM jobs.

Overarching Objectives

- Attracting students to STEM through unique learning opportunities that spark interest and provide connections to NASA's mission and work.
- Engaging students in authentic learning experiences with NASA's people, content, and facilities.
- Enabling students to contribute to NASA's work in exploration and discovery through challenges and work experiences.

CREATING LEADERS IN THE TECHNOLOGY AND INNOVATION

OSTEM's four integrated projects create pathways for students to enter the aerospace industry:

The **National Space Grant College and Fellowship Program (Space Grant)** is a national network located in all 50 states that fosters science and engineering training, research, and industry partnerships with the goal of cultivating a skilled, innovative talent pool to advance space exploration and innovations.

The **Experimental Program to Stimulate Competitive Research (EPSCoR)** promotes the development of a highly skilled workforce by funding hands-on research opportunities that not only prepare students for STEM jobs but also lead to technological and innovative breakthroughs.

FAST FACTS

Assistance Listing Number:
43.008

Authorizing Statute:
National Aeronautics and Space Act of 1958
Public Law 100-147, Title II, Section 202
National Space Grant College and Fellowship Act
Experimental Program to Stimulate Competitive Research
on Space Aeronautics Act (PL 102-588)
America COMPETES Reauthorization Act of 2010 and
2024 (PL 111-358 & 114-329)
Coordination of Federal STEM Education 42 USC 6621
(PL 114-59)
CHIPS & Science Act (PL 117-167)
Consolidated Appropriations Act (PL 118-42)

Number of Active Awards: (FY24)
592 (represents open multi-year awards)

Average Funding Per Award: (FY24)
\$750,007

Applicant Eligibility:
Institutions of Higher Education
Nonprofit Organizations
For-Profit Organizations
State and Local Government

The **Minority University Education and Research Project (MUREP)** funds cutting-edge research that enables students at Minority Serving Institutions to gain the expertise America needs to remain a leader in aerospace and technology.

Next Gen STEM prepares K-12 students to enter the aerospace workforce through strategic partnerships and competitive awards that build their STEM skills and capabilities. The multi-tier competitive Teams Engaging Affiliated Museums and Informal Institutions (TEAM II) awards focuses on museums, science centers and other informal STEM institutions. These partnerships and awards build students STEM skills and capabilities, so they can perform the jobs needed in the growing aerospace economy.

In FY 2024, over 8.5 million participants were engaged in OSTEM opportunities.



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IMPORTANT LINKS AND RESOURCES

NASA Grant and Cooperative Agreement Manual
<https://www.nasa.gov/grants-policy-and-compliance-team/#Regulations>

NASA Grants Policy and Compliance
<https://www.nasa.gov/grants-policy-and-compliance-team/>

NASA Shared Services Center
<https://www.nasa.gov/centers-and-facilities/grants-2/>

Office of STEM Engagement
<https://www.nasa.gov/learning-resources/>

OSTEM Funding Opportunities
<https://www.grants.gov>
<https://nspires.nasaprs.com/external/>
<https://www.nasa.gov/learning-resources/eons-grant-forecasting/>

POINT OF CONTACT

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TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 2024 **\$96,700,000**

FY 2023 **\$104,958,810**

FY 2022 **\$112,164,634**

FY 2021 **\$133,548,505**

FY 2020 **\$94,267,553**

